

 PALM Intranet

Application Number

IDS Flag Clearance for Application

**IDS  
Information**

Content	Mailroom Date	Entry Number	IDS Review	Reviewer
M844	08-21-2000	8	<input checked="" type="checkbox"/>	06-14-2001 12:41:03 EXPO- CONV

## Refine Search

Your wildcard search against 10000 terms has yielded the results below.

***Your result set for the last L# is incomplete.***

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

### Search Results -

Terms	Documents
L14 and ((suppl\$ or distribut\$ or provid\$) with (another or different or second) with (web\$ or page))	0

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

L17

Refine Search

Recall Text

Clear

Interrupt

### Search History

**DATE:** Sunday, February 05, 2006    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR			
<u>L17</u>	L14 and ((suppl\$ or distribut\$ or provid\$) with (another or different or second) with (web\$ or page))	0	<u>L17</u>
<u>L16</u>	L14 and (provid\$ with (another or different or second) with (web\$ or page))	0	<u>L16</u>
<u>L15</u>	L14 and (provid\$ with second with page)	0	<u>L15</u>
<u>L14</u>	l12 or L13	17	<u>L14</u>
<u>L13</u>	L11 and @pd<=19990702	8	<u>L13</u>
<u>L12</u>	L11 and @ad<=19990702	17	<u>L12</u>
<u>L11</u>	l6 and L10	41	<u>L11</u>
<u>L10</u>	l7 or l8 or L9	24650	<u>L10</u>

<u>L9</u>	709/219,224,223.ccls.	11154	<u>L9</u>
<u>L8</u>	707/2,4-5,10.ccls.	9297	<u>L8</u>
<u>L7</u>	705/26,27.ccls.	5228	<u>L7</u>
<u>L6</u>	12 or 13 or 14 or 15	99	<u>L6</u>
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
	(5249044   5865845   5056019   5642485   5285278   5911140   5287181		
	5675819   5806044   5845396   5283731   5380991   5644723   5855007		
<u>L5</u>	5305196   5459306   5483049   5794233   5649114   5721897   5237620	40	<u>L5</u>
	5592560   5913215   5832457   5636346   5761648   5201010   5809481		
	5857175   5724521   5864845   5787422   5852775   5353218   5687322		
	5855008   4882675   5809242   5621812   6006225)! [PN]		
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;</i>			
<i>OP=OR</i>			
<u>L4</u>	('6169986'   'US 6055573A'   'US 6169986B'   '6055573')	4	<u>L4</u>
	[ABPN1,NRPN,PN,TBAN,WKU]		
<u>L3</u>	('6169986'   'US 6055573A'   'US 6169986B'   '6055573')[URPN]	55	<u>L3</u>
<u>L2</u>	6055573.pn. or 6169986.pn.	4	<u>L2</u>
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L1</u>	6055573.pn. or 6169986.pn.	2	<u>L1</u>

END OF SEARCH HISTORY

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Generate Collection

L1: Entry 1 of 2

File: USPT

Jan 2, 2001

US-PAT-NO: 6169986

DOCUMENT-IDENTIFIER: US 6169986 B1

TITLE: System and method for refining search queries

DATE-ISSUED: January 2, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman; Dwayne E.	Woodinville	WA		
Ortega; Ruben E.	Seattle	WA		
Hamrick; Michael L.	Seattle	WA		
Spiegel; Joel R.	Woodinville	WA		
Kohn; Timothy R.	Seattle	WA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Amazon.com, Inc.	Seattle	WA			02

APPL-NO: 09/411441 [PALM]

DATE FILED: October 1, 1999

## PARENT-CASE:

RELATED APPLICATION This application is a continuation of application Ser. No. 09/145,360 filed Sep. 1, 1998 now U.S. Pat. No. 6,006,225 claims the benefit of U.S. Provisional Application Ser. No. 60/089,244, filed Jun. 15, 1998, the disclosure of which is hereby incorporated by reference.

INT-CL-ISSUED: [07] G06 F 17/30

US-CL-ISSUED: 707/5; 707/2, 707/4, 707/10

US-CL-CURRENT: 707/5; 707/10, 707/2, 707/4

FIELD-OF-CLASSIFICATION-SEARCH: 707/5, 707/2, 707/10, 707/4

See application file for complete search history.

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NO

ISSUE-DATE

PATENTEE-NAME

US-CL

5675819

October 1997

Schuetze

704/10

<input type="checkbox"/>	<u>5721897</u>	February 1998	Rubinstein	707/2
<input type="checkbox"/>	<u>5787422</u>	July 1998	Tukey et al.	707/5
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<input type="checkbox"/>	<u>5911140</u>	June 1999	Tukey et al.	707/5
<input type="checkbox"/>	<u>5913215</u>	June 1999	Rubinstein	707/10
<input type="checkbox"/>	<u>6006225</u>	December 1999	Bowman et al.	707/5

## OTHER PUBLICATIONS

Abstract of Generating Advanced Query Interfaces, Lee, Srivastava and Vista, Computer Networks and ISDN System Conference Title: Comput. Netw. ISDN Syst. (Netherlands) vol. 30, No. 1-7, pp. 656-657 (1998).

Abstract of Using Combination of Evidence for Term Expansion, Wilkinson, Information Retrieval Research, Proceedings of the 19.sup.th Annual BCS-IRSG Colloquium on IR Research (1997).

Abstract of Inquirus, the NECI Meta Search Engine, Lawrence and Giles, Computer Networks and ISDN Systems Conference Title: Comput. Netw. ISDN Syst. (Netherlands) vol. 30, No. 1-7, pp. 95-105 (1998).

Abstract of Facilitating Complex Web Queries Through Visual User Interfaces and Query Relaxation, Li and Shim, Computer Networks and ISDN Systems Conference Title: Comput. Netw. ISDN Syst. (Netherlands) vol. 30, No. 1-7, pp. 149-159 (1998).

A User-centred Evaluation of Ranking Algorithms for Interactive Query Expansion, Efthimiadis, Proceedings of the 16.sup.th Annual International ACM SIGIR Conference, Pittsburgh, pp. 146-159 (1993).

Concept Based Query Expansion, Qiu and Frei, Proceedings of the 16.sup.th Annual International ACM SIGIR Conference, Pittsburgh, pp. 160-169 (1993).

Improving Retrieval Performance by Relevance Feedback, Salton and Buckley, J. of Am. Society for Info. Science 41(4):288-297 (1990).

Query Expansion Using Domain-Adapted, Weighted Thesaurus in an Extended Boolean Model, Kwon, Kim and Choi, Proceedings of the 3.sup.rd International Conference on Information and Knowledge Management (CIKM'94), pp. 140-146 (1994).

Browsing Through Querying: Designing for Electronic Books, Charoenkitkarn, Tam, Chignell and Golovchinsky, at the 5.sup.th ACM Conference on Hypertext, Seattle, WA 206-216 (1993).

A Survey of Information Retrieval and Filtering Methods, Faloutsos and Oard, Univ. of Maryland, 22 pages (undated).

A Corpus Analysis Approach for Automatic Query Expansion, Gauch and Wang, Proceedings of the 6.sup.th International Conference on Information and Knowledge Management, pp. 278-284 (1997).

Discovering Web Access Patterns and Trends by Applying OLAP and Data Mining Technology on Web Logs, Zaiane, Xin and Han, Proceedings of the IEEE Forum on Research and Technology Advances in Digital Libraries (IEEE ADL'98), pp. 19-29 (1998).

Bartell et al., "Automatic Combination of Multiple Ranked Retrieval Systems", Proceedings of SIGIR'94, Jul. 1994, pp. 173-181, Jul. 1994.

Belkin et al., "The Effect of Multiple Query Representations on Information System Performance" Proceedings of SIGIR'93, Jun. 1993, pp. 339-346, Jun. 1993.

Shaw et al., "Combination of Multiple Searches", Proceedings of TREC-3, Apr. 1995, pp. 105-108, Apr. 1995.

QuarterDeck Web Page, Downloaded Sep. 9, 1996,

<http://aracnid.qdeck.com/qdeck/products/webcompass>, Sep. 1996.

Towell, et al. "Learning Collection Fusion Strategies for Information Retrieval",

Proceedings of the 12.sup.th Annual Machine Learning Conference, pp. 540-548, Jul. 1995.  
Voohees, et al., "Learning Collection Fusion Strategies", Proceedings of SIGIR'95, pp. 172-179, Jul. 1995.  
Voorhees, et al., "The Collection Fusion Problem" Proceedings of TREC-3, NIST Special Publication 500-225, pp. 95-104, Apr. 1995.

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Coby; Frantz

ATTY-AGENT-FIRM: Knobbe, Martens, Olson & Bear, LLP

ABSTRACT:

A search engine is disclosed which suggests related terms to the user to allow the user to refine a search. The related terms are generated using query term correlation data which reflects the frequencies with which specific terms have previously appeared within the same query. The correlation data is generated and stored in a look-up table using an off-line process which parses a query log file. The table is regenerated periodically from the most recent query submissions (e.g., the last two weeks of query submissions), and thus strongly reflects the current preferences of users. Each related term is presented to the user via a respective hyperlink which can be selected by the user to submit a modified query. In one embodiment, the related terms are added to and selected from the table so as to guarantee that the modified queries will not produce a NULL query result.

12 Claims, 11 Drawing figures

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L1: Entry 2 of 2

File: USPT

Apr 25, 2000

US-PAT-NO: [6055573](#)

DOCUMENT-IDENTIFIER: US 6055573 A

TITLE: Communicating with a computer based on an updated purchase behavior classification of a particular consumer

DATE-ISSUED: April 25, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gardenswartz; Will H.	Annapolis	MD		
Banker; David W.	Mt. Baldy	CA		
Goidel; Melissa B.	New York	NY		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
SuperMarkets Online, Inc.	Greenwich	CT			02

APPL-NO: 09/226174 [\[PALM\]](#)

DATE FILED: January 7, 1999

## PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This application claims priority from U.S. Provisional Application Ser. No. 60/114,462, filed Dec. 30, 1998, which is incorporated herein by reference .

INT-CL-ISSUED: [07] [G06 F 13/00](#)

US-CL-ISSUED: 709/224; 709/219, 709/223, 705/26

US-CL-CURRENT: [709/224](#); [705/26](#), [709/219](#), [709/223](#)FIELD-OF-CLASSIFICATION-SEARCH: 709/201, 709/202, 709/206, 709/217, 709/218, 709/219, 709/223, 709/224, 705/26, 705/27, 705/10, 705/1, 707/10  
See application file for complete search history.

## PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#)[Search ALL](#)[Clear](#)

PAT-NO

ISSUE-DATE

PATENTEE-NAME

US-CL

[4882675](#)

November 1989

Nichtberger et al.

<input type="checkbox"/>	<u>5056019</u>	October 1991	Schultz et al.	
<input type="checkbox"/>	<u>5201010</u>	April 1993	Deaton et al.	
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<input type="checkbox"/>	<u>5283731</u>	February 1994	Lalonde et al.	
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<input type="checkbox"/>	<u>5459306</u>	October 1995	Stein et al.	
<input type="checkbox"/>	<u>5483049</u>	January 1996	Schulze, Jr.	
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<input type="checkbox"/>	<u>5809242</u>	September 1998	Shaw et al.	709/217
<input type="checkbox"/>	<u>5809481</u>	September 1998	Baron et al.	705/14
<input type="checkbox"/>	<u>5832457</u>	November 1998	O'Brien et al.	
<input type="checkbox"/>	<u>5845396</u>	December 1998	Gerace	
<input type="checkbox"/>	<u>5852775</u>	December 1998	Hidary	455/404
<input type="checkbox"/>	<u>5855007</u>	December 1998	Jovicic et al.	
<input type="checkbox"/>	<u>5855008</u>	December 1998	Goldhaber et al.	
<input type="checkbox"/>	<u>5857175</u>	January 1999	Day et al.	

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
0 512 509 A2	November 1992	EP	
0 822 535 A2	February 1998	EP	
196 41 092 A1	April 1998	DE	
WO 97/12486	April 1997	WO	
WO 97/23838	July 1997	WO	



WO 98/15907

April 1998

WO

## OTHER PUBLICATIONS

IntelliQuest Looks for Interaction with Loyalty, Web Traffic Programs, Electronic Advertising & Marketplace Report, Lexis-Nexis, Oct. 20, 1998.

IntelliQuest and CoolSavings Offer Innovative Online Customer Relationship Management Program for Technology Vendors, Business Editors & Technology Writers, Lexis-Nexis, Sep. 30, 1998.

In this Computer Age, Who Needs Coupons?, The New York Times, Jun. 15, 1989.sup.1.

ART-UNIT: 278

PRIMARY-EXAMINER: Vu; Viet D.

ATTY-AGENT-FIRM: Oblon, Spivak, McClelland, Maier &amp; Neustadt, P.C.

## ABSTRACT:

A method, system, and computer program product for delivering a targeted advertisement. A first identifier, such as a cookie, corresponding to the a first computer is received from the first computer. A targeted advertisement is delivered to the first computer in response to receiving the first identifier from the first computer. The targeted advertisement is based on the observed offline purchase history of a consumer associated with the first identifier. The invention includes the delivery of a promotional incentive for a consumer to comply with a particular behavioral pattern. The behavioral pattern may be a predefined change in purchase behavior or continuance of an established purchase behavior. The targeted advertisements sent to consumers may be changed and/or refined based on changes in consumers' purchase history behaviors.

12 Claims, 14 Drawing figures

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## Hit List

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Search Results - Record(s) 1 through 10 of 17 returned.

☐ 1. Document ID: US 6922672 B1

L14: Entry 1 of 17

File: USPT

Jul 26, 2005

US-PAT-NO: 6922672

DOCUMENT-IDENTIFIER: US 6922672 B1

TITLE: Dynamic method and apparatus for target promotion

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMCC	Draw Ds
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☐ 2. Document ID: US 6769019 B2

L14: Entry 2 of 17

File: USPT

Jul 27, 2004

US-PAT-NO: 6769019

DOCUMENT-IDENTIFIER: US 6769019 B2

TITLE: Method of background downloading of information from a computer network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMCC	Draw Ds
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☐ 3. Document ID: US 6594692 B1

L14: Entry 3 of 17

File: USPT

Jul 15, 2003

US-PAT-NO: 6594692

DOCUMENT-IDENTIFIER: US 6594692 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Methods for transacting electronic commerce

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMCC	Draw Ds
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☐ 4. Document ID: US 6529952 B1

L14: Entry 4 of 17

File: USPT

Mar 4, 2003

US-PAT-NO: 6529952

DOCUMENT-IDENTIFIER: US 6529952 B1

TITLE: Method and system for the collection of cookies and other information from a panel

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 5. Document ID: US 6338066 B1

L14: Entry 5 of 17

File: USPT

Jan 8, 2002

US-PAT-NO: 6338066

DOCUMENT-IDENTIFIER: US 6338066 B1

TITLE: Surfaid predictor: web-based system for predicting surfer behavior

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 6. Document ID: US 6317782 B1

L14: Entry 6 of 17

File: USPT

Nov 13, 2001

US-PAT-NO: 6317782

DOCUMENT-IDENTIFIER: US 6317782 B1

TITLE: Method and apparatus for detecting actual viewing of electronic advertisements and transmitting the detected information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 7. Document ID: US 6298348 B1

L14: Entry 7 of 17

File: USPT

Oct 2, 2001

US-PAT-NO: 6298348

DOCUMENT-IDENTIFIER: US 6298348 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Consumer profiling system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 8. Document ID: US 6055573 A

L14: Entry 8 of 17

File: USPT

Apr 25, 2000

US-PAT-NO: 6055573

DOCUMENT-IDENTIFIER: US 6055573 A

TITLE: Communicating with a computer based on an updated purchase behavior classification of a particular consumer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 9. Document ID: US 6006225 A

L14: Entry 9 of 17

File: USPT

Dec 21, 1999

US-PAT-NO: 6006225

DOCUMENT-IDENTIFIER: US 6006225 A

TITLE: Refining search queries by the suggestion of correlated terms from prior searches

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 10. Document ID: US 5913215 A

L14: Entry 10 of 17

File: USPT

Jun 15, 1999

US-PAT-NO: 5913215

DOCUMENT-IDENTIFIER: US 5913215 A

TITLE: Browse by prompted keyword phrases with an improved method for obtaining an initial document set

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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Terms

Documents

L12 or L13

17

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**Search Results - Record(s) 11 through 17 of 17 returned.**

☐ 11. Document ID: US 5911140 A

L14: Entry 11 of 17

File: USPT

Jun 8, 1999

US-PAT-NO: [5911140](#)

DOCUMENT-IDENTIFIER: US 5911140 A

TITLE: Method of ordering document clusters given some knowledge of user interests

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 12. Document ID: US 5864845 A

L14: Entry 12 of 17

File: USPT

Jan 26, 1999

US-PAT-NO: [5864845](#)

DOCUMENT-IDENTIFIER: US 5864845 A

TITLE: Facilitating world wide web searches utilizing a multiple search engine query clustering fusion strategy

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 13. Document ID: US 5794233 A

L14: Entry 13 of 17

File: USPT

Aug 11, 1998

US-PAT-NO: [5794233](#)

DOCUMENT-IDENTIFIER: US 5794233 A

TITLE: Browse by prompted keyword phrases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 14. Document ID: US 5787422 A

L14: Entry 14 of 17

File: USPT

Jul 28, 1998

US-PAT-NO: [5787422](#)

DOCUMENT-IDENTIFIER: US 5787422 A

TITLE: Method and apparatus for information accesss employing overlapping clusters

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 15. Document ID: US 5724521 A

L14: Entry 15 of 17

File: USPT

Mar 3, 1998

US-PAT-NO: 5724521

DOCUMENT-IDENTIFIER: US 5724521 A

TITLE: Method and apparatus for providing electronic advertisements to end users in a consumer best-fit pricing manner

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 16. Document ID: US 5721897 A

L14: Entry 16 of 17

File: USPT

Feb 24, 1998

US-PAT-NO: 5721897

DOCUMENT-IDENTIFIER: US 5721897 A

TITLE: Browse by prompted keyword phrases with an improved user interface

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 17. Document ID: US 5283731 A

L14: Entry 17 of 17

File: USPT

Feb 1, 1994

US-PAT-NO: 5283731

DOCUMENT-IDENTIFIER: US 5283731 A

TITLE: Computer-based classified ad system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L12 or L13

17

Display Format:

Change Format